

OMB No. 0651-0011
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INFORMATION DISCLOSURE STATEMENT	Atty. Docket No.: 110.01480101	Serial No.: 10/090,965
	Applicant(s): SRJENC et al.	Confirmation No.: 6415
	Application Filing Date: March 4, 2002	Group: 1652
	Information Disclosure Statement mailed:	<i>July 23, 2003</i>

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
						Yes	No
<i>sf</i>	6,329,183	12/11/01	Skraly et al.				

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No

OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

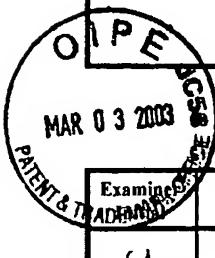
Examiner Initial		Document Description	
		Yes	No

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INFORMATION DISCLOSURE STATEMENT	Atty. Docket No.: 110.01480101	Serial No.: 10/090,965
	Applicants: Srienc et al.	Confirmation No.: 6415
	Application Filing Date: March 4, 2002	Group: 1711
	Information Disclosure Statement mailed: February 27, 2003	

**U.S. PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
UJ	5,245,023	09/14/93	Peoples et al.			
UJ	5,250,430	10/05/93	Peoples et al.			
UJ	5,534,432	07/09/96	Peoples et al.			
UJ	6,103,956	08/15/00	Srienc et al.			
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Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
UJ	WO 02/070659 A2	09/12/02	PCT				

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UJ	Alani et al., "A Method for Gene Disruption That Allows Repeated Use of <i>URA3</i> Selection in the Construction of Multiply Disrupted Yeast Strains," <i>Genetics</i> , 116:541-545 (1987).
UJ	Amos, "Poly-β-Hydroxyalkanoate Production and Other Physiological Traits of <i>Syntrophomonas Wolfei</i> Subsp. <i>Wolfei</i> " Ph.D. Dissertation, Univ. of Oklahoma, 1989.
UJ	Anderlund et al., "Expression of the <i>Escherichia coli</i> <i>pntA</i> and <i>pntB</i> Genes, Encoding Nicotinamide Nucleotide Transhydrogenase, in <i>Saccharomyces cerevisiae</i> and Its Effect on Product Formation During Anaerobic Glucose Fermentation," <i>Appl. Environ. Microbiol.</i> , 1999, June; 65(6):2333-40.
UJ	Anderson et al., "Biosynthesis and composition of bacterial poly(hydroxyalkanoates)," <i>Int. J. Biol. Macromol.</i> , 12(2):102-105 (1990).
UJ	Ausubel et al., eds., "Boiling Miniprep," <i>Short Protocols in Molecular Biology</i> , John Wiley & Sons, Inc., New York, 3rd Ed., 1995; title page, publication page and pages 1-17 and 1-18.

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Atty. Docket No.: 110.01480101	Serial No.: 10/090,965
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Up	Baim et al., "mRNA Structures Influencing Translation in the Yeast <i>Saccharomyces cerevisiae</i> ," <i>Mol. Cell. Biol.</i> , 1988, April; 8(4):1591-601.
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Up	Bell et al., "A two-reporter gene system for the analysis of bi-directional transcription from the divergent <i>MAL6T-MAL6S</i> promoter in <i>Saccharomyces cerevisiae</i> ," <i>Curr. Genet.</i> , 1995; 28(5):441-446.
Up	Bi et al., "UAS _{rg} can function as a heterochromatin boundary element in yeast," <i>Genes & Development</i> , 1999, May 1; 13(9):1089-1101.
Up	Boles et al., "The role of the NAD-dependent glutamate dehydrogenase in restoring growth on glucose of a <i>Saccharomyces cerevisiae</i> phosphogluucose isomerase mutant," <i>Eur. J. Biochem.</i> , 1993; 217:469-77.
Up	Boulton et al., "Correlation of Lipid Accumulation in Yeasts with Possession of ATP:Citrate Lyase," <i>J. Gen. Microbiol.</i> , 1981; 127:169-76.
Up	Brandl et al., "Ability of the phototrophic bacterium <i>Rhodospirillum rubrum</i> to produce various poly(β-hydroxyalkanoates): potential sources for biodegradable polyesters," <i>Int. J. Biol. Macromol.</i> , 1989, Feb.; 11(1):49-55.
Up	Brandl et al., "Plastics from Bacteria and for Bacteria: Poly (β-Hydroxyalkanoates) as Natural, Biocompatible, and Biodegradable Polyesters," <i>Adv. Biochem. Eng. Biotechnol.</i> , 1990; 41:77-93.
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Up	Brent et al., "The interaction of yeast citrate synthase with yeast mitochondrial inner membranes," <i>J. Biol. Chem.</i> , 1987, Jan. 5; 262(1):319-25.
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YJ	Carlson et al., "Utilizing the Bi-directional GAL1-10 Promoter to Co-express Two Genes in <i>Saccharomyces cerevisiae</i> ," Masters Dissertation, 1999 Univ. of Minnesota, St. Paul, MN.
CH	Carlson et al., "Effects of Cofactor Imbalances on Pathway Fluxes in <i>Saccharomyces cerevisiae</i> ," Abstract of Oral Presentation, American Institute of Chemical Engineers National Meeting, Dallas, TX, Oct. 31-Nov. 5, 1999; Technical Program Paper Detail. [online.] AIChE. retrieved from the Internet. Retrieved on 2002-09-03. <URL: http://www.aiche.org/conferences/techprogram/paperdetail.asp?PaperID=2010&DSN=annual9...> (2 pg.).
YJ	Carlson et al., "High level poly-beta-hydroxybutyrate production in <i>Saccharomyces cerevisiae</i> , Abstract of Poster Presentation, International Symposium on Biological Polyhydroxyalkanoates, Boston Mass, 2000.
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YJ	Carlson, "Pathway analysis of <i>Saccharomyces cerevisiae</i> producing polyhydroxybutyrate (PHB) for strain improvement," [available online Mar. 23, 2001.] Biot 77 Abstract of Oral Presentation, ACS Conference, San Diego, CA, Apr. 1-5, 2001.
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Examiner Initial	Document Description
<i>Y</i>	Carlson et al., "Anaerobic Production of Polyhydroxybutyrate (PHB) in <i>Saccharomyces cerevisiae</i> ," Powerpoint Presentation, American Institute of Chemical Engineers meeting, Reno, NV, Nov. 4-9, 2001 (27 pgs.).
<i>C</i>	Carlson et al., Metabolic Pathway Analysis of a Recombinant Yeast for Rational Strain Development," <i>Biotechnol. Bioeng.</i> , 79(2):121-134 (2002).
<i>Y</i>	Carlson et al., "Biochemical Network Modifications and Flux Analysis for Improved Poly-hydroxyalkanoate (PHA) Production in <i>S. cerevisiae</i> ," Abstract (2 pages) and Powerpoint Presentation (31 pages), Nov. 8, 2002, Annual American Institute of Chemical Engineers meeting, Indianapolis, IN, Nov. 4-8, 2002. Abstract retrieved from the Internet. Retrieved on 2003-02-19. <URL: http://www.aiche.org/conferences/techprogram/paperdetail.asp?PaperID=2715&DSN=annual02 >.
<i>Y</i>	Choi et al., "Optimization of the expression system using galactose-inducible promoter for the production of anticoagulant hirudin in <i>Saccharomyces cerevisiae</i> ," <i>Appl. Microbiol. Biotechnol.</i> , 1994; 42:587-94.
<i>Y</i>	Chua et al., "Coupling of Waste Water Treatment with Storage Polymer Production," <i>Appl. Biochem. Biotech.</i> , 1997, Spring; 63-65:627-35.
<i>Y</i>	Cigan et al., "Sequence and structural features associated with translational initiator regions in yeast-a review," <i>Gene</i> , 1987; 59:1-18.
<i>Y</i>	Cormack et al., "FACS-optimized mutants of the green fluorescent protein (GFP)," <i>Gene</i> , 1996; 173:33-8.
<i>Y</i>	Cornish-Bowden et al., "From genome to cellular phenotype—a role for metabolic flux analysis?" <i>Nature Biotechnology</i> , 2000 Mar.; 18:267-68.
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<i>Y</i>	Da Silva, "Host-Plasmid Interaction and Regulation of Cloned Gene Expression in Recombinant Cells," Ph.D. Dissertation, California Institute of Technology, Pasadena, CA, 1988.

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Up	Da Silva et al., "Construction and Characterization of a Temperature-Sensitive Expression System in Recombinant Yeast," <i>Biotechnol. Prog.</i> , 1989, Mar.; 5(1):18-26.
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Up	Dawes et al., "The Role and Regulation of Energy Reserve Polymers in Micro-organisms," <i>Advances Microbiol. Physiol.</i> , 1973; 10:135-266.
Up	de Jong-Gubbels et al., "Regulation of Carbon Metabolism in Chemostat Cultures of <i>Saccharomyces cerevisiae</i> Grown on Mixtures of Glucose and Ethanol," <i>Yeast</i> , 1995, Apr. 30; 11(5):407-18.
Up	Dennis et al., "Formation of poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) by PHA synthase from <i>Ralstonia eutropha</i> ," <i>J. Biotechnol.</i> , 1998; 64(2-3):177-86.
Up	Dirks et al., "Dicistronic transcription units for gene expression in mammalian cells," <i>Gene</i> , 1993; 128:247-9.
Up	Doran, "II. Homogeneous Reactions," <i>Bioprocess Engineering Principles</i> , Academic Press, San Diego, 1995, cover page, publication page, and 257-96.
Up	Elshourbagy et al., "Cloning and expression of a human ATP-citrate lyase cDNA," <i>Euro. J. Biochem.</i> , 1992, Mar; 204(2):491-9.
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Up	Evans et al., "A Comparative Study of Citrate Efflux From Mitochondria of Oleaginous and Non-oleaginous Yeasts," <i>Eur. J. Biochem.</i> , 1983, Jan.; 130(1):195-204.
Up	Fell et al., "Fat synthesis in adipose tissue," <i>Biochem. J.</i> , 1986; 238:781-6.
Up	Fussenegger et al., "pTRIDENT, a Novel Vector Family for Tricistronic Gene Expression in Mammalian Cells," <i>Biotech. Bioeng.</i> , 1998, Jan. 5; 57(1):1-10.
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EXAMINER	Date Considered
<i>Up</i>	4/14/04

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YJ	Guarente et al., "A <i>GAL10-CYC1</i> hybrid yeast promoter identifies the <i>GAL4</i> regulatory region as an upstream site," <i>Proc. Natl. Acad. Sci. USA</i> , 1982; 79(23):7410-14.
YJ	Hahn et al., "Growth kinetics, nutrient uptake, and expression of the <i>Alcaligenes eutrophus</i> poly(beta-hydroxybutyrate) synthesis pathway in transgenic maize cell suspension cultures," <i>Biotechnol. Prog.</i> , 1997, July/Aug.; 13(4):347-54.
YJ	Hahn "Introduction and Characterization of the Poly(3-Hydroxybutyrate) Biosynthetic Pathway in Plant Cell Cultures," Ph.D. Dissertation, Univ. of Minnesota, St. Paul, MN, 1998.
YJ	Hamilton et al., "Compilation and comparison of the sequence context around the AUG startcodons in <i>Saccharomyces cerevisiae</i> mRNAs," <i>Nucl. Acids Res.</i> , 1987, Apr. 24; 15(8):3581-93.
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YJ	Haywood et al., "Characterization of two 3-ketothiolases possessing differing substrate specificites in the polyhydroxyalkanoate synthesizing organism <i>Alcaligenes eutrophus</i> ," <i>FEMS Microbiol. Lett.</i> , 1988; 52:91-6.
YJ	Haywood et al., "The role of NADH- and NADPH-linked acetoacetyl-CoA reductases in the poly-3- hydroxybutyrate synthesizing organism <i>Alcaligenes eutrophus</i> ," <i>FEMS Microbiol. Lett.</i> , 1988; 52(1/2):259-64.
YJ	Haywood et al., "Accumulation of a Polyhydroxyalkanoate Containing Primarily 3-Hydroxydecanoate from Simple Carbohydrate Substrates by <i>Pseudomonas</i> sp. Strain NCIMB 40135," <i>Appl. Environ. Micro.</i> , 1990; 56(11):3354-9.

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YJ	Hiltunen et al., "Peroxisomal Multifunctional β -Oxidation Protein of <i>Saccharomyces cerevisiae</i> ," <i>J. Biol. Chem.</i> , 1992; 267(10):6646-53.
YJ	Hitzeman et al., "Secretion of Human Interferons by Yeast," <i>Science</i> , 1983, Feb. 11; 219(4585):620-5.
YJ	Hrabak, "Industrial production of poly- β -hydroxybutyrate," <i>FEMS Microbiol Rev.</i> , 1992; 103:251-5.
YJ	Huisman et al., "Metabolism of Poly(3-hydroxyalkanoates) (PHAs) by <i>Pseudomonas oleovorans</i> ," <i>J. Biol. Chem.</i> , 1991, Feb. 5; 266(4):2191-8.
YJ	Jackson et al., "Novel Methods to Synthesize Polyhydroxyalkanoates," <i>Annals of the New York Academy of Sciences: Biochemical Engineering VIII</i> , 1994; 745:134-48.
YJ	Jackson, "Recombinant Modulation of the <i>phbCAB</i> Operon Copy Number in <i>Ralstonia eutropha</i> and Modification of the Precursor Selectivity of the <i>Pseudomonas oleovorans</i> Polymerase I," Masters Thesis, Univ. of Minnesota, St. Paul, MN, 1998.
YJ	John et al., "Metabolic pathway engineering in cotton: Biosynthesis of polyhydroxybutyrate in fiber cells," <i>Proc. Nat. Acad. Sci. USA</i> , 1996, Nov. 12; 93(23):12768-73.
YJ	Johnston et al., "Sequences that Regulate the Divergent <i>GAL1-GAL10</i> Promoter in <i>Saccharomyces cerevisiae</i> ," <i>Mol. Cell. Biol.</i> , 1984, Aug.; 4(8):1440-8.
YJ	Johnston, "A Model Fungal Gene Regulatory Mechanism: the <i>GAL</i> Genes of <i>Saccharomyces cerevisiae</i> ," <i>Microbiol. Rev.</i> , 1987; 51(4):458-76.
YJ	Keeler, "Plastics grown in bacteria inch toward the market," <i>R&D Magazine</i> , 1991, Jan.; 33:46-52.
YJ	Kelley et al., "Production of Two Phase Polyhydroxyalkanoic Acid Granules in <i>Ralstonia eutropha</i> ," <i>International Journal of Biological Macromolecules</i> , 1999; 25(1-3):61-7.

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<i>YJ</i>	Kim, "Poly(β -hydroxyalkanoate) Copolymers Containing Brominated Repeating Units Produced by <i>Pseudomonas oleovorans</i> ," <i>Macromolecules</i> , 1992, Mar. 30; 25(7):1852-7.
<i>YJ</i>	Kristiansen, Ed., <i>Integrated Design of a Fermentation Plant: The Production of Baker's Yeast</i> , VCH, New York, 1994; title page, publication page, and pages 1-26.
<i>YJ</i>	Kuchel et al., <i>Schaum's Outline of Theory and Problems of Biochemistry</i> , McGraw-Hill, Inc., New York, 1988, title page, publication page, and table of contents only; 6 pgs.
<i>YJ</i>	Lafferty et al., "Chapter 6: Microbial production of poly- β -hydroxybutyric acid," <i>Biotechnology</i> , Rehm et al., eds., VCH, Weinheim, Germany, 1988; Volume6b, title page and pages 135-76.
<i>YJ</i>	Lageveen et al., "Formation of Polyesters by <i>Pseudomonas oleovorans</i> : Effect of Substrates on Formation and Composition of Poly-(R)-3-Hydroxyalkanoates and Poly-(R)-3-Hydroxyalkenoates," <i>Appl. Environ. Microbiol.</i> , 1988, July; 54(12):2924-32.
<i>YJ</i>	Lagunas, "Misconceptions about the energy metabolism of <i>Saccharomyces cerevisiae</i> ," <i>Yeast</i> , 1986; 2(4):221-8.
<i>YJ</i>	Leaf et al., " <i>Saccharomyces cerevisiae</i> expressing bacterial polyhydroxybutyrate synthase produces poly-3-hydroxybutyrate," <i>Microbiol.</i> , 1996; 142:1169-1180.
<i>YJ</i>	Leaf, "Engineering Yeast for Polyhydroxybutyrate Production," Ph.D. Dissertation, University of Minnesota, St. Paul, MN, 1998.
<i>YJ</i>	Leaf, "Engineering yeast for polyhydroxybutyrate production," <i>Dissertation Abstracts International</i> , 1999, Feb; 59(8):4287-B/88B.
<i>YJ</i>	Lee et al., "Production of poly(3-hydroxybutyric acid) by recombinant <i>Escherichia coli</i> strains: genetic and fermentation studies," <i>Can. J. Microbiol.</i> , 1995; 41(1):207-15.

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<i>YJ</i>	<i>4/14/04</i>

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Yp	Lee, "Plastic Bacteria? Progress and prospects for polyhydroxyalkanoate production in bacteria," <i>Trends in Biotechnology</i> , 1996, Nov.; 14:431-8.
Yp	Lee, "Review: Bacterial Polyhydroxyalkanoates," <i>Biotechnol. Bioeng.</i> , 1996; 49:1-14.
Yp	Lee et al., "Improved efficiency and stability of multiple cloned gene insertions at the δ sequences of <i>Saccharomyces cerevisiae</i> ," <i>Appl. Microbiol. Biotechnol.</i> , 1997, Sept.; 48(3):339-45.
Yp	Lee et al., "Production of biodegradable thermoplastics from municipal sludge by a two-stage bioprocess," <i>Resources, Conservation and Recycling</i> , 1997; 19(3):151-64.
Yp	Lindbladh et al., "Preparation and Kinetic Characterization of a Fusion Protein of Yeast Mitochondrial Citrate Synthase and Malate Dehydrogenase," <i>Biochem.</i> , 1994, Oct. 4; 33(39):11692-8.
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Y		Srienc et al., "Characterization of Intracellular Accumulation of Poly- β -Hydroxybutrate (PHB) in Individual Cells of <i>Alcaligenes eutrophus</i> H16 by Flow cytometry," <i>Biotech. Bioeng.</i> , 1984, Aug.; 26(8):982-7.
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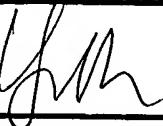
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